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TENT APPLICATION 09/719,591

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Byre application of:

Mohammed N. Islam et al.

JUL 1 7 2002

Serial No.:

09/719,591

Filing Date:

Technology Center 2600 June 16, 1999 FIBER-OPTIC COMPENSATION FOR DISPERSION, GAIN

Title:

TILT, AND BAND PUMP NONLINEARITY

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Date of Deposit July 12, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Assistant Commissioner for Patents Washington, DC 20231

Dear Examiner:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicants respectfully request, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. Copies of the references are enclosed for the convenience of the Examiner. No representation is made that a search has been made, that the references are material to the patentability of the present application, or that the references qualify as prior art.

Applicants believe that this Supplemental Information Disclosure Statement has been filed before the mailing date of the first Office Action in this case. Pursuant to 37 C.F.R. § 1.97(b), Applicants believe that no fee is due. The Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

Baker Botts L.L.P.

Attorneys for Applicants

Douglas M. Kubehl Reg. No. 41,915

Date: July 12, 2002

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Application No. Applicant(s) PTO-1449 Information Disclosure Oitation 10/007,643 Mohammed N. Islam Docket Number Group Art Unit Filing Date In an Application 069204.0175 November 6, 2001 OUS. PATENT DOCUMENTS JUL 1 2 2002 DOCUMENT NO. NAME **CLASS SUBCLASS** FILING DATE DATE 18ADEMA 09/28/1983 96.15 Hicks, Jr. Α 4,616,898 10/28/1985 Mollenauer et al. 350 96 16 4,699,452 10/13/1987 В 09/25/1989 96.15 350 $\overline{\mathbf{C}}$ 4,932,739 06/12/1990 Islam 04/24/1989 02/26/1991 Islam 350 96.15 4,995,690 D 10/13/1989 05/28/1991 370 4 5,020,050 Islam Ε 11/07/1990 01/07/1992 385 122 5,078,464 Islam F 11/07/1990 03/31/1992 Islam 385 27 5,101,456 G 05/10/1991 05/19/1992 Islam et al. 385 129 5,115,488 Η 06/29/1993 Islam 385 122 04/02/1991 5,224,194 Ι 02/05/1993 5,369,519 11/29/1994 Islam 359 173 J 10/13/1994 K 5,485,536 01/16/1996 Islam 385 5,559,920 09/24/1996 Chraplyvy et al. 385 L JUL 1 7 2002_{02/12/1996} 5,623,508 04/22/1997 Grubb et al. 372 M Suzuki et al. Technology Center 26001995 5,629,795 05/13/1997 359 N 10/12/1995 5,664,036 09/02/1997 Islam 385 O 5,673,280 09/30/1997 Grubb et al. 372 3 02/12/1996 P 12/23/1996 07/07/1998 Islam 372 5,778,014 6 Q FOREIGN PATENT DOCUMENTS 10/17 X 98/42088 A1 24.09.1998 H04B R 0 903 877 A2 24.03.1999 EP H04B 10/18 X S 99/66607 A2 23.12.1999 wo H01S X T 00/49721 A2 WO H04B X U 24.08.2000 X 1 054 489 A2 H015 3/067 22.11.2000 EP $\overline{\mathbf{v}}$ DOCUMENT (Including Author, Title, Source, and Pertinent Pages) DATE 09/17-21/1995 W Hansen et al., "Repeaterless transmission experiment employing dispersion," 21st European Conference on Optical Communication, Vol. 2, 1 page Nissov et al., "100 Gb/s (10x10Gb/s) WDM Transmission Over 7200 km Using Distributed Raman Amplification," 09/1997 X European Conference on Optical Communications, paper PD-9, pp. 9-12 Hansen et al.; "Loss compensation in dispersion compensating fiber modules by Raman amplification," Optical Fiber 02/1998 $\overline{\mathbf{Y}}$ Conference OFC'98, paper TuD1, Technical Digest, San Jose, CA, pp. 20-21 Lee et al., "Bidirectional transmission of 40 Gbit/s WDM signal over 100km dispersion shifted fibre," Electronics Letters, 02/05/1998 Z Vol. 34, No. 3, pp. 294-295 Okuno et al., "Generation of Ultra-Broad-Band Supercontinuum by Dispersion-Flattened and Decreasing Fiber," IEEE 01/1998 Photonics Technology Letters, Vol. 10, No. 1, pp. 72-74 Masuda et al., "Ultrawide 75-nm 3-dB Gain-Band Optical Amplification with Erbium-Doped Fluoride Fiber Amplifiers 04/1998 BBand Distributed Raman Amplifiers,"," IEEE Photonics Technology Letters, Vol. 10, No. 4, pp. 516-518 Emori et al., "Less than 4.7 dB Noise Figure Broadband In-line EDFA with A Raman Amplified-1300 ps/nm DCF 07/1998 CC Pumped by Multi-channel WDM Laser Diodes," OSA Conference, paper PD3-1-5, Vail, CO Rotwitt et al., "Distributed Raman Amplifiers for Long Haul Transmission systems," LEOS, pp. 251-252 12/1998 DD Grubb et al., "Detailed analysis of Raman amplifiers for long-haul transmission," OFC Technical Digest, pp. 30-31 1998 EE Kawai et al., "Ultrawide, 75-nm 3-dB gain-band optical amplifier utilizing erium-doped fluoride fiber and Raman fiber," 1998 FF OFC Technical Digest, pp. 32-34 DATE CONSIDERED **EXAMINER** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not

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PTO-1449 Application No.				Applicant(s)			
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considered. Include copy of this form with next communication to the applicant. U.S. PATENT AND TRADEMARK OFFICE								